

## COMBINED DECLARATION AND POWER OF ATTORNEY

We, Stavros C. Manolagas, Robert L. Jilka, Robert S. Weinstein, and Teresita Bellido, hereby declare that:

Our residences, post office addresses and citizenships are as stated below next to our names, we believe we are the original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled, *In Vitro and In Vivo Models for Screening Compounds to Prevent Glucocorticoid-Induced Bone Destruction*; the specification of which was filed as U.S. Serial No. 09/413,958 on October 7, 1999 and which claims benefit of priority under 35 U.S.C. 119(e) of U.S. provisional application USSN 60/105,805, filed October 27, 1998.

We hereby state that we have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above. We acknowledge the duty to disclose all information we know to be material to patentability in accordance with Title 37, Code of Federal Regulations, §1.56(a).

We hereby appoint the following attorneys and/or agents to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: Dr. Benjamin Adler, Registration No. 35,423. Address all telephone calls to Dr. Benjamin Adler at telephone number 713/777-2321. Address correspondence to Dr. Benjamin Adler, McGREGOR & ADLER LLP, 8011 Candle Lane, Houston, TX 77071.

We hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.

Full Name of Inventor: Stavros C. Manolagas

Inventor's Signature: Stavros C. Manolagas Date: 11-1-99

Residence Address: 35 River Ridge Circle, Little Rock, AR 72227

Citizen of: United States of America

Post Office Address: 35 River Ridge Circle, Little Rock, AR 72227

Full Name of Inventor: Robert L. Jilka

Inventor's Signature: Robert Jilka Date: 1 Nov 1999

Residence Address: 14202 Clarborne, Little Rock, AR 72211

Citizen of: United States of America

Post Office Address: 14202 Clarborne, Little Rock, AR 72211

Full Name of Inventor: Robert S. Weinstein

Inventor's Signature: Robert Weinstein Date: 11/2/99

Residence Address: 11 Chalmette, Little Rock, AR 72211

Citizen of: United States of America

Post Office Address: 11 Chalmette, Little Rock, AR 72211

Full Name of Inventor: Teresita Bellido

Inventor's Signature: Teresita Bellido Date: 11/3/99

Residence Address: 9 Westglen Cove, Little Rock, AR 72211

Citizen of: United States of America

Post Office Address: 9 Westglen Cove, Little Rock, AR 72211

BEST AVAILABLE COPY

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Manolagas et al.

Examiner:

Serial No.: 09/413,958

Group Art Unit: 1643

Filed: October 7, 1999

Title: IN VITRO AND IN VIVO MODELS FOR SCREENING COMPOUNDS TO  
PREVENT GLUCOCORTICOID-INDUCED BONE DESTRUCTION

Assistant Commissioner for Patents  
Washington, D.C. 20231

**POWER OF ATTORNEY BY INVENTOR, REVOCATION OF PRIOR POWERS AND  
CHANGE OF CORRESPONDENCE ADDRESS**

Sir:

As a named inventor, I hereby revoke all previous powers of attorney or authorizations of agent given in the above-identified application. I hereby appoint the following attorneys or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

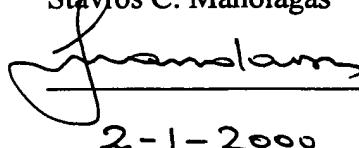
Sherry M. Knowles, Reg. No. 33,052  
Steven P. Wigmore, Reg. No. 40,447  
Curtis L. Doster, Reg. No. 41,714  
Lisa K. Norton, Reg. No. 44,977  
Clark G. Sullivan, Reg. No. 36,942

W. Scott Petty, Reg. No. 35,645  
Jacqueline Haley, Reg. No. 41,457  
W. Wayt King, Jr., Reg. No. 42,739  
Charles Vorndran, Reg. No. P-45, 315

Please change the correspondence address for the above-identified application to:

Sherry M. Knowles, Esq.  
King & Spalding  
191 Peachtree Street  
Atlanta, Georgia 30303-1763  
(404) 572-3541  
(404) 572-5145 facsimile

Name: Stavros C. Manolagas

Signature: 

Date: 2-1-2000

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Name: Teresita Bellido

Signature: Teresita Bellido

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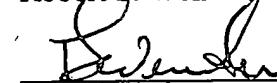
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Name:

Robert S. Weinstein

Signature:



Date:

2/2/00

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(404) 572-5145 facsimile

Name:

Robert L. Jilka

Signature:



Date:

2 Feb, 2000

BEST AVAILABLE COPY

ASSIGNMENT

WHEREAS, WE, STAVROS C. MANOLAGAS, ROBERT L. JILKA, ROBERT S. WEINSTEIN AND TERESITA BELLIDO, have invented certain improvements in "In Vitro and In Vivo Models for Screening Compounds to Prevent Glucocorticoid-Induced Bone Destruction" for which we have executed United States provisional application no. 60/105,805 on October 27, 1998, and non-provisional application no. 09/413,958 on October 7, 1999, and

WHEREAS, BOARD OF TRUSTEES OF THE UNIVERSITY OF ARKANSAS, an Arkansas corporation, having an office at 2404 North University Avenue, Little Rock, Arkansas 72207-3608 desires to purchase same;

NOW, THEREFORE, in consideration of the sum of Five Dollars (\$5.00) and other good and valuable consideration paid by BOARD OF TRUSTEES OF THE UNIVERSITY OF ARKANSAS, the receipt and sufficiency of which are hereby acknowledged, I, TERESITA BELLIDO, have sold, assigned, transferred and conveyed and by these presents do hereby sell, assign, transfer and convey unto BOARD OF TRUSTEES OF THE UNIVERSITY OF ARKANSAS, in and for the United States and its territories and for foreign countries, the entire right, title and interest in and to said provisional application and said application for United States Letters Patent, in and to the invention therein set forth and in and to any patent which may issue on said application for United States Letters Patent or any application, reissue, renewal, division, continuation or continuation-in-part thereof, or any foreign counterpart thereof or any other application that claims priority to the above application, and I hereby bind myself, my heirs, legal representatives, administrators and assigns properly to execute without further consideration, any and all applications, petitions, oaths and assignments or other papers and instruments which may be necessary in order to carry into full force and effect the sale, assignment, transfer and conveyance hereby made or intended to be made.

06572.105006

BCO 1 SEARCHABLE COPY

IN WITNESS WHEREOF, I have hereunto set my hand and seal this 14 day of  
October, 2003.

Teresita Bellido  
TERESITA BELLIDO

On this 14<sup>th</sup> day of October, 2003, before me, a notary public, came  
TERESITA BELLIDO to me known and known to be the individual described in and  
who executed the foregoing assignment, and he duly acknowledged the same to be his free act  
and deed.



Anastacia Bellido  
Notary Public

My commission expires: Aug 28, 2013

Witness

06572.105066

BEST AVAILABLE COPY

ASSIGNMENT

WHEREAS, WE, STAVROS C. MANOLAGAS, ROBERT L. JILKA, ROBERT S. WEINSTEIN AND TERESITA BELLIDO, have invented certain improvements in "In Vitro and In Vivo Models for Screening Compounds to Prevent Glucocorticoid-Induced Bone Destruction" for which we have executed United States provisional application no. 60/105,805 on October 27, 1998, and non-provisional application no. 09/413,958 on October 7, 1999, and

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NOW, THEREFORE, in consideration of the sum of Five Dollars (\$5.00) and other good and valuable consideration paid by BOARD OF TRUSTEES OF THE UNIVERSITY OF ARKANSAS, the receipt and sufficiency of which are hereby acknowledged, I, ROBERT L. JILKA, have sold, assigned, transferred and conveyed and by these presents do hereby sell, assign, transfer and convey unto BOARD OF TRUSTEES OF THE UNIVERSITY OF ARKANSAS, in and for the United States and its territories and for foreign countries, the entire right, title and interest in and to said provisional application and said application for United States Letters Patent, in and to the invention therein set forth and in and to any patent which may issue on said application for United States Letters Patent or any application, reissue, renewal, division, continuation or continuation-in-part thereof; or any foreign counterpart thereof or any other application that claims priority to the above-application, and I hereby bind myself, my heirs, legal representatives, administrators and assigns properly to execute without further consideration, any and all applications, petitions, oaths and assignments or other papers and instruments which may be necessary in order to carry into full force and effect the sale, assignment, transfer and conveyance hereby made or intended to be made.

06572.105006

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IN WITNESS WHEREOF, I have hereunto set my hand and seal this 14 day of

October, 2003.

Robert L. Jilka  
ROBERT L. JILKA

On this 14th day of October, 2003, before me, a notary public, came  
Robert L. Tillka, to me known and known to be the individual described in and  
who executed the foregoing assignment, and he duly acknowledged the same to be his free act  
and deed.



Anastacia M. Frisch  
Notary Public

My commission expires: Aug 28, 2013

### Witnesses

06572.105006

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WHEREAS, WE, STAVROS C. MANOLAGAS, ROBERT L. JILKA, ROBERT S. WEINSTEIN AND TERESITA BELLIDO, have invented certain improvements in "In Vitro and In Vivo Models for Screening Compounds to Prevent Glucocorticoid-Induced Bone Destruction" for which we have executed United States provisional application no. 60/105,805 on October 27, 1998, and non-provisional application no. 09/413,958 on October 7, 1999, and

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06572.105006

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IN WITNESS WHEREOF, I have hereunto set my hand and seal this 14 day of

October, 2003.

*Stavros C. Manolagas*  
STAVROS C. MANOLAGAS

On this 14th day of October, 2003, before me, a notary public, came  
Stanis C. Manolagas, to me known and known to be the individual described in and  
who executed the foregoing assignment, and he duly acknowledged the same to be his free act  
and deed.



Anastacia R. Linville  
Notary Public

Notary Public

My commission expires: Aug 28, 2013

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REPT AVAILABLE COPY

ASSIGNMENT

WHEREAS, WE, STAVROS C. MANOLAGAS, ROBERT L. JILKA, ROBERT S. WEINSTEIN AND TERESITA BELLIDO, have invented certain improvements in "In Vitro and In Vivo Models for Screening Compounds to Prevent Glucocorticoid-Induced Bone Destruction" for which we have executed United States provisional application no. 60/105,805 on October 27, 1998, and non-provisional application no. 09/413,958 on October 7, 1999, and

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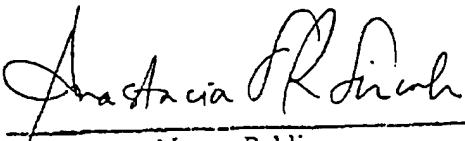
IN WITNESS WHEREOF, I have hereunto set my hand and seal this 14 day of

October, 2003.

  
\_\_\_\_\_  
ROBERT S. WEINSTEIN

On this 14th day of October, 2003, before me, a notary public, came Robert S. Weinstein, to me known and known to be the individual described in and who executed the foregoing assignment, and he duly acknowledged the same to be his free act and deed.



  
\_\_\_\_\_  
Anastacia L.R. Rink

Notary Public

My commission expires: Aug 28, 2013

Witness

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